

A² execution of said instructions in said basic block whereby overall processing throughput of all said programs by said system is increased.

REMARKS

Accompanying this preliminary amendment is applicants' transmittal of a substitute specification to replace the specification originally filed in connection with this application. A corresponding filing was made in the grandparent and parent applications and, as noted there, no new matter is being added. For the Examiner's convenience, pages 56 and 57 of an amendment dated June 13, 1988, in the grandparent application, are attached hereto. These pages describe the circumstances for filing the substitute specification.

New drawings were filed in the grandparent case to correct minor errors in the drawings as originally filed. These revised drawings are the same as those attached hereto and which are proposed to be filed in this application.

Claims 74-77 are being added to provide applicants with the scope of protection to which they are entitled.

Anticipating that the Examiner will require restriction in this application, as he has in the previous parent cases, applicants will provisionally elect to prosecute the invention of claims 71-72 and 74-77 in this case. Applicants shall cancel claims 69-70 in the case in the response to the first substantive Office Action.

For the reasons noted in the Information Disclosure Statement filed in connection with the grandparent case, it is respectfully submitted that the claims herein should be passed to issue in due course.

Respectfully submitted,

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Claims 74-77 have been added to more clearly and completely protect the invention herein. It is respectfully submitted that each of these claims belongs in the group of claims now being examined and that the claims should be allowed for one or more of the reasons noted above with regard to the claims presently pending in the application. In particular, for example, claim 74 provides an architecture which includes the full interconnection of the logic resource drivers, the processor elements, and the shared storage resources. None of the references provide the total computer architecture called for by the claim, and, in particular, the logical resource driver structure as described in the present application. As the Examiner will understand, each of claims 74-77 added herein tends generally to be broader than a corresponding claim in the application as originally filed. However, a review of the prior art indicates that such breadth of coverage should be allowable here since the references simply do not provide a teaching, suggestion, or description of the overall architecture or operation of the claimed parallel processing computer system.

I am further enclosing herewith a request for amendment of the specification using a substitute specification. The application has been reviewed in great detail, in part in connection with a foreign filing effort; and as a result, numerous typographical errors have been found and corrected. In addition, the description of the prior art herein has been deleted since it appears in similar form in applicants' petition and is in any case

of record in connection with the application. It is not considered necessary to add these twenty or more pages of text to the application itself. Furthermore, certain obvious errors, which are clear from a reading and understanding of the application as filed, have been corrected to avoid the necessity of a later reader having to perform the same ordinary corrective functions and to provide thereby a clearer and more accurate description of the invention. No new matter has been added. To aid the Examiner in his review of the substitute specification, I am enclosing herewith a so-called "blacklined" version of the application wherein the new language has been underlined and the deleted language has been enclosed in brackets. For the reasons noted above, it is respectfully submitted that the substitute specification should be entered.

For the reasons noted above, it is respectfully submitted that the objections under 35 USC §112 and the rejection based upon 35 USC §103 have been cured and that the application should be passed to issue in due course.

Respectfully submitted,

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